

AMENDMENTS TO THE CLAIMS

In the claims:

1. (Previously Presented) A playlist generation system comprising:
  - at least one analysis module for receiving signals that include data wherein said data includes an arbitrary portion of data of an unknown work, analyzing said data, generating a representation of said data including said arbitrary portion of data of said unknown work, and transmitting said representation over a network to an identification server;
  - at least one identification (ID) server for receiving said representation over said network from said at least one analysis module and determining the identity of said unknown work from said representation.
2. (Previously Presented) The system of claim 1, wherein said at least one analysis module further includes an input port configured to receive said signals from a networked source.
3. (Previously Presented) The system of claim 1, wherein said at least one analysis module further includes an input port configured to receive said signals from a broadcast source.

4. (Previously Presented) The system of claim 1, wherein said at least one analysis module further includes an input port configured to receive said data in the form of a pre-broadcast digital form.
5. (Cancelled)
6. (Previously Presented) The system of claim 1, wherein said network comprises the Internet.
7. (Previously Presented) The system of claim 1, wherein said representation comprises feature vectors.
8. (Previously Presented) The system of claim 1, wherein said representation comprises a spectral representation of said data.
9. (Previously Presented) The system of claim 1, wherein said representation comprises the text output of a speech recognition system.

10. (Previously Presented) The system of claim 1, wherein said representation comprises the musical score output of a music transcription system.
11. (Previously Presented) The system of claim 1, wherein said representation comprises a bit calculated key.
12. (Original) The system of claim 1, wherein said ID server is configured to identify said unknown work using feature vectors.
13. (Previously Presented) The system of claim 1, wherein said representation includes a spectral representation of said ID server is configured to identify said unknown work using said spectral representation of said unknown work.
14. (Original) The system of claim 1, wherein said ID server is configured to identify said unknown work using the text output of a speech recognition system.
15. (Original) The system of claim 1, wherein said ID server is configured to identify said unknown work using the musical score output of a music transcription system.

16. (Original) The system of claim 1, wherein said ID server is configured to identify said unknown work using a bit calculated key.
17. (Original) The system of claim 1, wherein said at least one analysis modules are further configured to receive a plurality of streaming sources for analysis at a single location.
18. (Original) The system of claim 1, wherein said at least one analysis modules are further configured to receive a plurality of streaming sources for analysis at a plurality of different access points of the network.
19. (Original) The system of claim 1, wherein said at least one analysis module is configured to provide said representations to said at least one ID server at a predetermined time interval.
20. (Original) The system of claim 19, wherein said predetermined time interval comprises at least once a day.
21. (Original) The system of claim 19, wherein said predetermined time interval comprises approximately once an hour.

22. (Previously Presented) The system of claim 19, wherein said at least one analysis module is configured to provide said representation to said at least one ID server responsive to receiving said signals and generating said representation.
23. (Previously Presented) The system of claim 19, wherein said at least one analysis module is configured to provide said representation to said at least one ID server based on an out-of-band event.
24. (Previously Presented) The system of claim 1, wherein said ID server is further configured to generate a playlist of identified works including said identification of said unknown work determined from said representation.
25. (Previously Presented) The system of claim 1, wherein said ID server is further configured to generate a playlist of identified works of each said representation received from each at least one analysis module connected to the network responsive to identification of each said unknown work from each said representation.
26. (Previously Presented) The system of claim 1, wherein said at least one ID server is further configured to provide an identification of said unknown work back to said at least one analysis module that transmitted said representation.

27. (Previously Presented) The system of claim 18, wherein said ID server is further configured to update a playlist of identified works with an identification of said work of said representation responsive to identifying a representation.
28. (Previously Presented) The system of claim 27, wherein said at least one ID server is further configured to provide an identification of said unknown work back to said at least one analysis module that transmitted said representation responsive to identification of said unknown work from said representation.
29. (Previously Presented) The system of claim 27, wherein said at least one analysis module is further configured to purge said representation responsive to said identification is received.
30. (Cancelled)
31. (Previously Presented) A method for automatically generating a playlist comprising:  
  
receiving, by at least one analysis module, data including an arbitrary portion of data of an unknown work;

- generating, by said at least one analysis module, a representation of said data including said arbitrary portion of data of said unknown work; and
- sending, by said at least one analysis module, said representation to at least one identification server over a network.
32. (Original) The method of claim 31, further comprising the act of identifying, by said identification server, said unknown work based upon said representation.
33. (Original) The method of claim 32, further comprising the act of storing said identification in a playlist database.
34. (Original) The method of claim 32, further comprising the act of sending, by said identification server, said identification to said at least one analysis module.
35. (Original) The method of claim 34, further comprising the act of purging, by said at least one analysis module, at least one file corresponding stored to said identification.
36. (Cancelled)

37. (Previously Presented) The method of claim 31, wherein said network is the Internet.
38. (Previously Presented) The method of claim 31, wherein said act of generating said representation comprises generating feature vectors of said data.
39. (Previously Presented) The method of claim 31, wherein said act of generating said representation comprises a spectral representation of said data.
40. (Previously Presented) The method of claim 31, wherein said act of generating said representation comprises the text output of said unknown work from a speech recognition system.
41. (Original) The method of claim 31, wherein said representation comprises musical score output of a music transcription system.
42. (Previously Presented) The method of claim 31, wherein said representation comprises a bit calculated key of the unknown work.



43. (Previously Presented) The method of claim 32, wherein said act of identifying is performed using feature vectors in said representation.
44. (Previously Presented) The method of claim 32, wherein said act of identifying is performed using a spectral representation of said data.
45. (Previously Presented) The method of claim 32, wherein said act of identifying is performed using the text output of said data from a speech recognition system.
46. (Original) The method of claim 32, wherein said act of identifying is performed using the musical score output of a music transcription system.
47. (Previously Presented) The method of claim 31, wherein said act of identifying is performed using a bit calculated key of the data.
48. (Previously Presented) The method of claim 31, wherein said act of receiving, by at least one analysis module, data includes receiving a plurality of streaming sources for analysis at a single location.

49. (Previously Presented) The method of claim 31, wherein said act of receiving, by at least one analysis module, said data includes receiving a plurality of streaming sources for analysis at different access points of the network.

50. (Previously Presented) The method of claim 31, wherein said act of sending, by said at least one analysis module, said representation to at least one identification server is performed responsive to generating said representation.

51. (Previously Presented) A method for automatically generating a playlist comprising:

receiving a representation of data including an arbitrary portion of data of an unknown work over a network;

identifying said unknown work using said representation; and

updating a playlist with an identification of said representation.

52. (Previously Presented) A playlist generation system comprising:

means for receiving data including an arbitrary portion of data for an unknown work over a network;

means for generating a representation of data including said arbitrary portion data of said unknown work; and

means for sending said representation to at least one identification server over a network.

53. (Previously Presented) The system of claim 52, further including means for identifying said unknown work based upon said representation in said at least one identification server.
54. (Original) The system of claim 53, further including means for storing said identification in a playlist database.
55. (Previously Presented) The system of claim 54, further including means for sending said identification from said at least one identification server to said at least one analysis module over said network.
56. (Previously Presented) The system of claim 52, further including means for generate a playlist of identified works from each said representation received from each said at least one analysis module in the network responsive to identification of a work from each said representation.

57. (Previously Presented) The system of claim 52, further including means for updating a playlist of identified works responsive to identification of a work from each said representation.
58. (Previously Presented) The system of claim 52, further including means for providing an identification of said unknown work back to the at least one analysis module responsive to identification of said work from said representation.
59. (Previously Presented) A playlist generation system comprising:
- means for receiving data including an arbitrary portion of data of an unknown work;
  - means for generating a representation of said data including said arbitrary portion data of said unknown work;
  - means for sending said representation to at least one identification server over a network; and
  - means for sending an identification of said representation to at least one other computer system over said network.